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## CONSTRUCTION OF HIGH-TENSION LINES, HYDROELECTRIC POWER PLANTS CONTINUES

The first high-voltage power lines in Bosnia and Herzegovina were under construction in 1948. At present, hundreds of kilometers of such lines are in operation. Postwar Bosnia and Herzegovina has more power lines than all of prewar Yugoslavia. The Doboj-Inkavac and Zenica-Kakanj high-tension lines, each of which will carry 400,000 volts, are being completed. Power lines for 35,000 volts are also being built. A section of the Sarajevo-Mesici line is being completed so that the Mesici hydroelectric power plant can be connected with the already existing Sarajevo-Zenica-Doboj-Vreka and Zvornik-Brcko-Ridzili high-tension lines.

In addition to the already completed Bogatice-Trnovo and Tuzla-Zvornik power-line sections, a line will also be built between Bukinja and Zivnica, to cover mining requirements. The total length of 35,000-volt power lines built in 1949 was 112 kilometers. Another 133 kilometers of 10,000-volt power lines were also built in 1949, in addition to several tens of kilometers of lines of lesser voltage.

The greatest network of power lines has been built in the Tuzla basin and in the vicinity of Saseleu, to cover the needs of mining and industry. In addition to the high-tension power line test, transformer stations are also being built. During 1949, six 10,400-volt transformer stations were constructed. In 1950, 110,000-volt transformer stations will be built. The building of high-tension power line towers is laborious and costly, since 40,000 kilograms of various construction materials are needed.

"SOKOLJE" POWER PLANT TO REBEGIN OPERATION -- Slovenaki Porocevalec, 20 Dec 49

The "Bokolja" medium-size hydroelectric power plant in the vicinity of Rankocovo, Serbia, will begin operation during the first few months of 1950. It will have a capacity of 8 million kilowatt-hours per year. The first

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Francis turbine, which will start to operate in a few months, will have a capacity of 3 million kilowatt-hours per year. The power plant will supply Rankovicevo and Vrnacka Banja and their vicinity. In 1950, the Gvozdac River will be diverted into the canal of the "Sokolje" power plant, and a second Francis turbine will be installed.

Another section of the power plant will be built on the Gvozdac River and equipped with two Pelton turbines.

#### NEW HYDROELECTRIC SYSTEM UNDER CONSTRUCTION -- Rad, No 292, 8 Dec 49

In the canyon of the Vrbas River, between Banjaluka and Jajce, in Bosnia and Herzegovina, a new hydroelectric power plant system is being built. One of the power plants, Jajce I, which is near Jajce, will produce 240 million kilowatt-hours per year. Not far from Jajce I plant, the Jajce II plant is being built. In addition to the main dam, it will have an auxiliary dam 16 meters high and 3 kilometers long. The structure which will house the machinery will occupy a space of 40 square meters. Underground vertical, horizontal, and diagonal passages have already been constructed. The Jajce II power plant will have a capacity of 390 million kilowatt-hours per year.

#### PLANT CONSTRUCTION CONTINUES THROUGH WINTER -- Rad, No 305, 23 Dec 49

The building of the hydroelectric power plant at Jablanica, on the Neretva and Rama rivers in Serbia, is continuing through the winter. In the vicinity of Jablanica, a new railroad station with double tracks is under construction to serve the third gravel pit. This pit alone will produce 250,000 cubic meters of gravel a year.

The three dams under construction include the main dam for Lake Jablanica, an auxiliary dam 300 meters long, and a second auxiliary dam which will completely control the Neretva River so that no water will reach the foundations of the main dam. The bulk of the work will be completed during the winter.

#### OZALJ TO GET NEW PLANT -- Slovenski Porocivalec, No 292, 15 Dec 49

On the Kupa River near Ozalj, Croatia, a hydroelectric power plant with a capacity of about 2,000 kilowatts already exists. This power plant supplies Bela Krajina, Metlika, and Crnomelj with electricity. Because this power plant does not utilize all the available power of the Kupa River, the construction of the new Ozalj II hydroelectric power plant on the left bank of the river was begun in the middle of 1948. It will have a capacity of 2,200 kilowatts, and will be finished in the middle of 1950. The building of the power plant will continue through the winter.

#### MESICI POWER PLANT BEING COMPLETED -- Borba, No 286, 5 Dec 49

The new hydroelectric power plant at Mesici in Bosnia and Herzegovina, which has been built and equipped entirely with Yugoslav machinery, will have a capacity four times that of the Vlasenica power plant, which was the first plant entirely built of domestic material. Its 9½-ton generators were built by the Rade Koncar Enterprise, while the transformers, Francis turbines, and pipes were constructed by Litostroj. The Mesici power plant will begin operation during December 1949.

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VINODOL PLANT CAPACITY 188 MILLION KILOWATTS --- Borba, No 296, 14 Dec 49;  
Borba, No 297, 15 Dec 49.

The huge Vinodol hydroelectric power plant in Slovenia will have a capacity of 188 million kilowatts, which is equivalent to one year's work by 2 million workers. A smaller hydroelectric power plant with a capacity of 4,000 kilowatts will be constructed very close to the Vinodol power plant.

NEW STEAM ELECTRIC POWER PLANT -- Rad, No 276, 18 Nov 49

A new steam-electric power plant is being built at Lukavac near Tuzla. In addition to supplying Lukavac, it will also supply Tuzla and vicinity with electric power. The power plant will obtain its coal from the surrounding mines.

PRILETOR GETS NEW STEAM POWER PLANT -- Rad, No 301, 19 Dec 49

A new steam-electric power plant is being built in the vicinity of the Prijedor cellulose factory. It will supply the factory, the town of Prijedor, and the villages under Kozar Mountain with power.

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